

EXHIBIT 6

**PERKIN ELMER DSC-& MANUAL
“SPECIFICATIONS” SECTION**

PERKIN-ELMER**5 SPECIFICATIONS****5.1 DSC 7 DIFFERENTIAL SCANNING CALORIMETER**

| | | |
|-------------------------|---|--------------------------------|
| DSC Type | Power compensated temperature null principle. Measures energy directly, not differential temperature (T). | |
| DSC Cell | Independent dual furnaces constructed of platinum-iridium alloy with independent platinum resistance heaters and temperature sensors. | |
| Maximum Sensitivity | 8 μ W/cm. | |
| Dynamic Range | 8 μ W/cm to 28 mW/cm. | |
| Noise (RMS) | 0.002 mW. | |
| Calorimetric Accuracy | Better than \pm 1%. | |
| Calorimetric Precision | Better than \pm 0.1%. | |
| Temperature Precision | \pm 0.1°C. | |
| Temperature Accuracy | \pm 0.1°C. | |
| Temperature Display | 0.1°C increments. | |
| Heating & Cooling Rates | 0.1°C/min to 500°C/min in 0.1°C increments. | |
| Controlled (Program) | Ambient: | 10°C/min to 50°C. |
| Cooling | (ice Bath) | 20°C/min to 65°C. |
| | | 50°C/min to 100°C. |
| | | 100°C/min to 170°C. |
| | Liquid N ₂ : | 10°C/min to -170°C. |
| | | 50°C/min to -165°C. |
| | | 100°C/min to -135°C. |
| | | 200°C/min to - 85°C. |
| Cooling Times | Ambient: | From 725°C to 100°C in under 4 |
| | (Ice Bath)minutes. | |
| | Liquid N ₂ : | From +200°C to -150°C in under |
| | | 2 minutes. |
| Temperature Range | Standard unit allows operation from ambient to 725°C. With optional cooling accessories, the range may be extended to -170°C. | |
| Temperature Sensors | Distributed, platinum resistance thermometers. | |

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Atmosphere Static or dynamic including nitrogen, argon, helium, carbon dioxide, air, oxygen or other inert or non-corrosive gases.

Sample Type Solids, liquids, powders, films or fibers.

5.2 PE 7500 PROFESSIONAL COMPUTER

General The PE 7500 is a 32-bit microcomputer fully programmable in BASIC and FORTRAN (optional) ideally suited for laboratory or general applications.

Microprocessor M68000 8MHz 32-bit microprocessor with no wait states; 32-bit data and address registers, 24-bit memory address bus, and 16-bit data bus.

Operating System Provides a multi-tasking multi-user environment.

System Design Multi-tasking design, allowing simultaneous operation of multiple thermal analysis instruments. Unique soft key operation for ease of data collection, analysis and storage.

Graphics Standard 13 inch color CRT with high resolution (256 vertical by 720 horizontal pixel resolution) graphics. Eight selectable alphanumeric colors; 27 possible graphic colors, 16 of which can be displayed simultaneously.

Memory 1.64 megabytes of total RAM. 32 kilobytes of ROM.

Keyboard Full-ASCII keyboard with 32 user-definable special-function keys (shiftable to 64).

Soft Keys Eight bezel-mounted soft keys constantly updated to define the current state of the system at any time.

Program & Data Storage Two double-sided, double-density 5-1/4 inch disk drives which accommodate standard 5-1/4 inch micro-floppy disks for a total of 640 kilobytes of program and data storage. Ten or fifteen megabyte Winchester hard disk for massive data or program storage.

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Communications Ports

Four serial asynchronous RS-232C communications ports are standard, allowing two-way communication with other computers. Software selectable communication conditions permit the ports to be programmed for baud rate, stop and data bits, and parity. Industry-standard IEEE-488 interface is also available as an option.

Instrument Calibration

Automatic temperature and ordinate calibration routines for all 7 Series analyzer modules.

Safety Protection Features

Continuously protection circuits protect all analyzer modules from accidental over-temperature conditions.

Diagnostics

Automatic routines for system diagnostics.

Help Facility

Menu driven Help Facilities are standard.

Thermal Analysis Software

A complete library of programs for thermal analysis are available for use with the PE 7500 Professional Computer.

Other Software

Perkin-Elmer offers a growing library of laboratory instrument and special purpose software for use with the PE 7500 Professional Computer.

5.3 TAC 7 THERMAL ANALYSIS CONTROLLER

General

The TAC 7 is the intelligent microprocessor controller that links the PE 7500 to the 7 Series thermal analysis modules.

Microprocessor

High speed microprocessor for control of all functions.

Memory

32 kilobytes ROM. 16 kilobytes RAM.

Communications Ports

Two RS-232C communications ports, an analog control port and a digital control port.

Diagnostics

Built-in diagnostics continuously monitor and analyze all system functions.

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5.4 GSA 7 GAS SELECTOR ACCESSORY

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| General | The GSA 7 permits automatic switching of purge gases at operator selected intervals. Compatible with all 7 Series thermal analysis instrument modules. |
| Type | Automatic computer controlled gas switching device which is directly controllable through the PE 7500. |

5.5 GRAPHICS PLOTTER 2

| | |
|-----------|---|
| General | High resolution alphanumeric X-Y printer/plotter with graphics. |
| Operation | Multiple pen operation for automatic multi-color plot generation. |
| Scaling | Automatic scaling performed and optimized by the PE 7500. |
| Hard Copy | Publication quality data presentation and results. Transparencies available as an option. |

Note: Specifications listed here are subject to technical change.